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Library	Sequence	Incidence
Ph.D.-12	HPLKQYWWRPSI-----	22/26
Ph.D.-12	----PIWWKHSGGPIL-	1/26
Ph.D.-12	----YWWRDAPVSQGR	1/26
Ph.D.-12	SYPTDKWWIKPG-----	1/26
Ph.D.-7	----VQWWRPT-----	7/15
Ph.D.-7	----NWWRPLP-----	1/15
Ph.D.-7	----GKWWVFD-----	1/15
Ph.D.-7	-VPTKPKWW-----	1/15
Ph.D.-C7C	----PWWKTSK-----	6/15
Ph.D.-C7C	----PWWKASS-----	1/15
Ph.D.-C7C	---TPTWWRT-----	1/15
Ph.D.-C7C	---APTWWS-----	1/15
Ph.D.-C7C	----WWTSASR-----	1/15
Ph.D.-C7C	---SARWWQP-----	1/15

FIGURE 1

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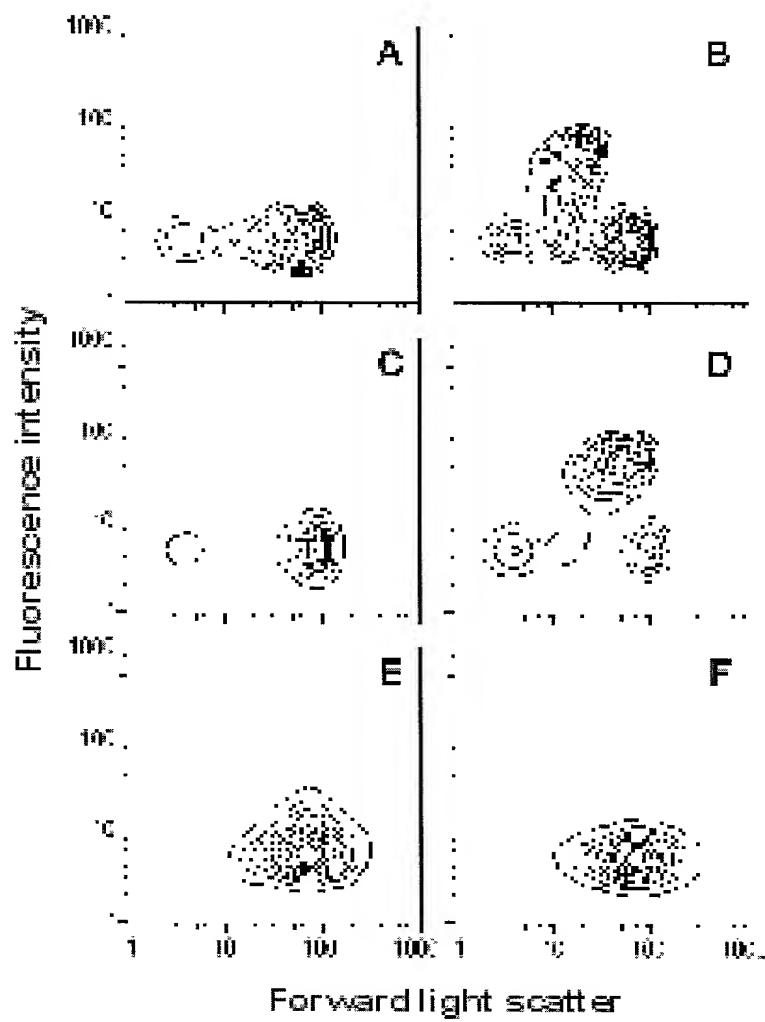


FIGURE 2

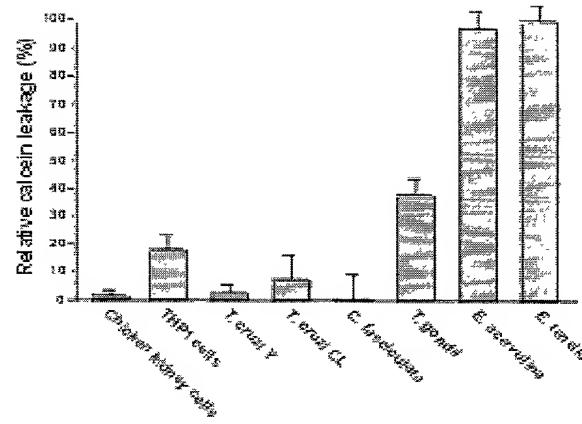
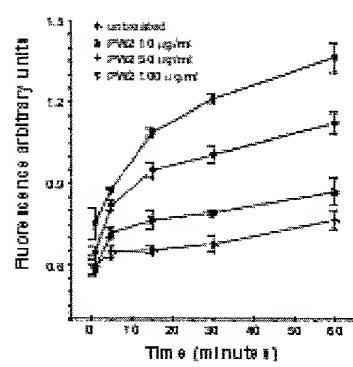
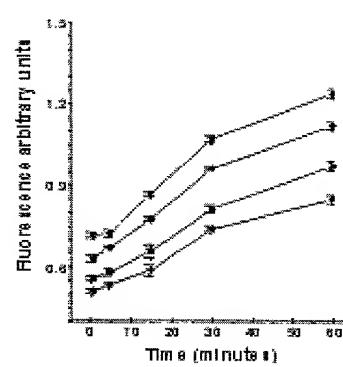
**A****B****C**

FIGURE 3

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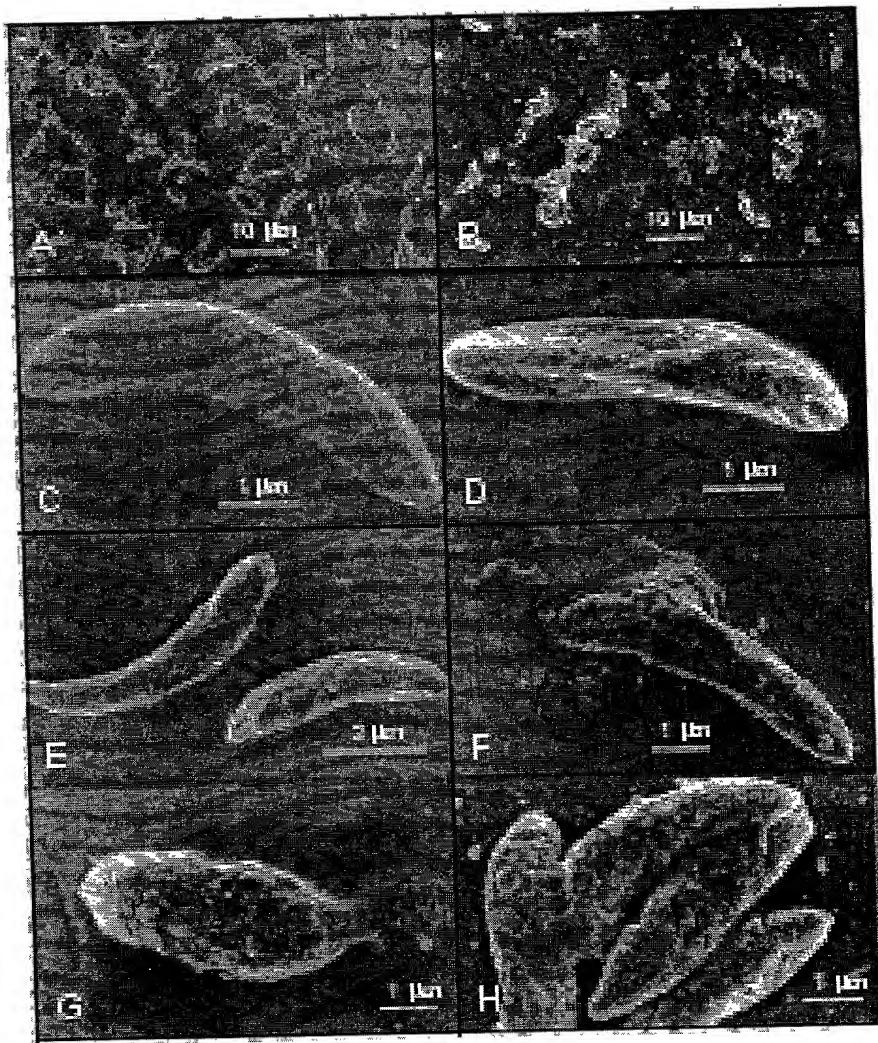


FIGURE 4

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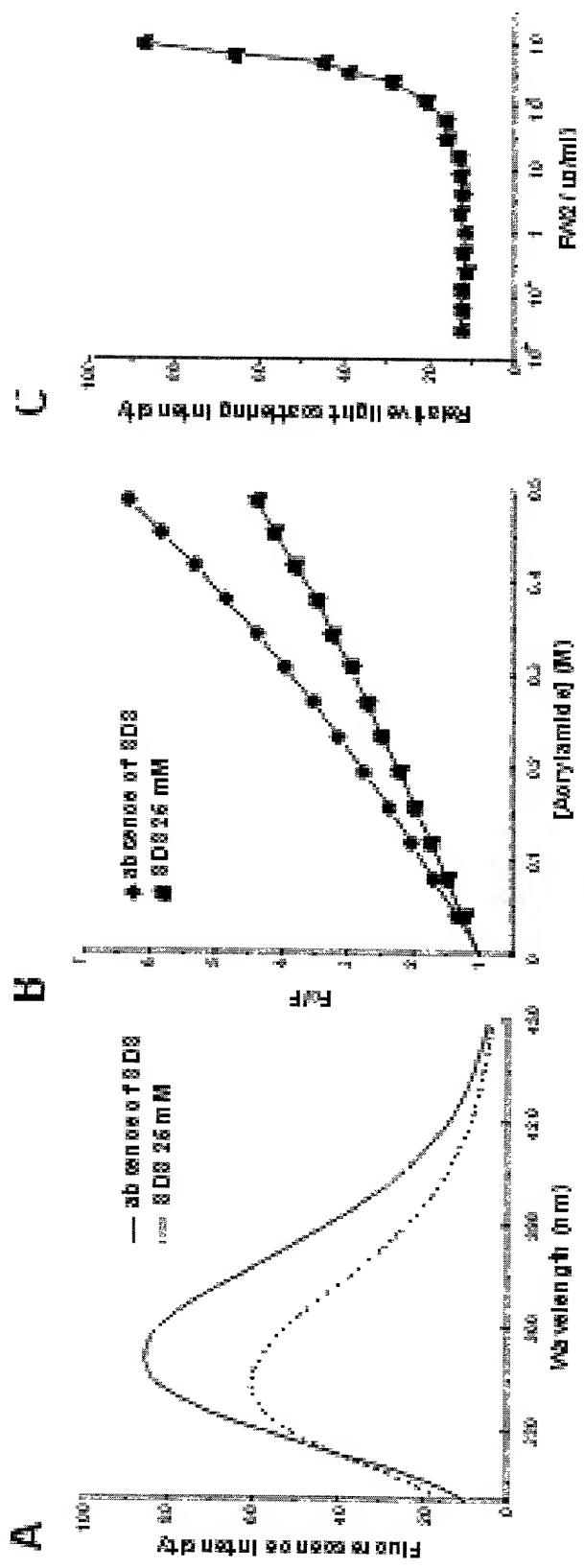
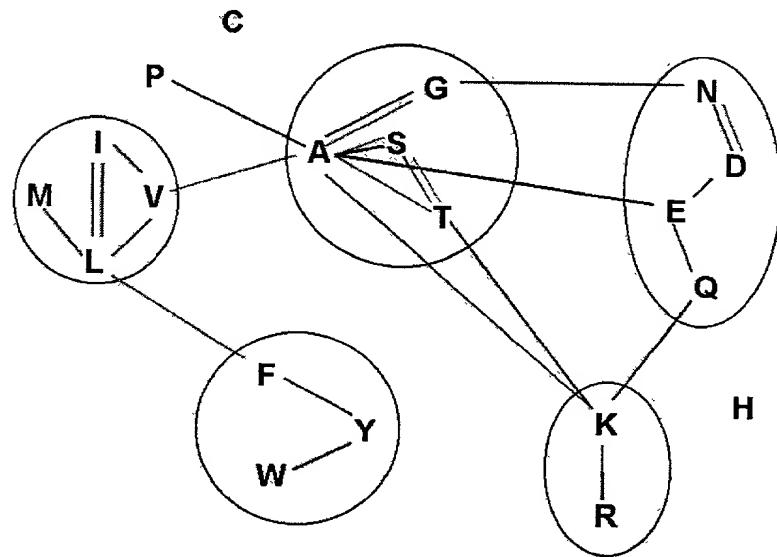


FIGURE 5

**Suggested Amino Acid Substitutions**  
solvent exposed ( $\text{SEA}^* > 30 \text{ \AA}^2$ ) / interior ( $\text{SEA}^* < 10 \text{ \AA}^2$ )



Amino acids connected by a solid line can be substituted with 95% confidence  
(D. Bordo and P. Argos, J. Mol. Biol. 217(1991)721-729)

\*SEA=solvent exposed area

Figure 6